

The Importance of Biological Particles to the Ice Nucleating Particle Concentration in a Coastal Tropical Site

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Supplemental Material

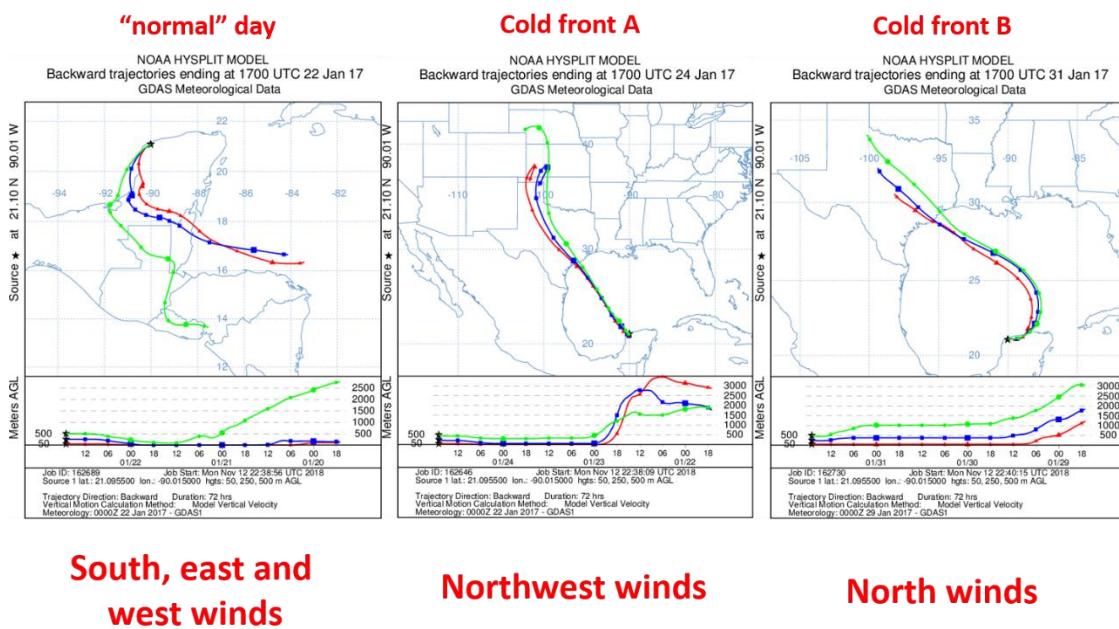


Figure S1. Examples of the Hysplit back-trajectories for 72h on a left) “normal” day, middle) cold front A, and right) cold front B.

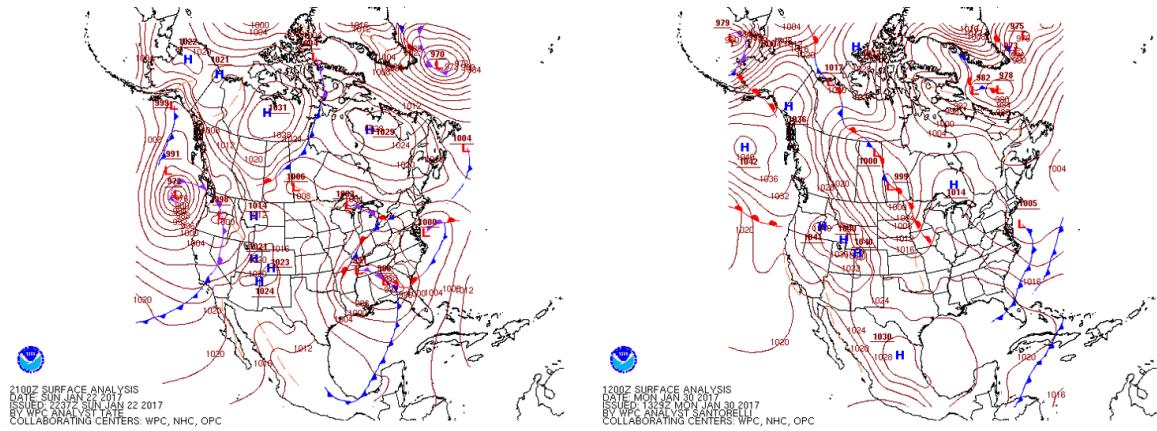


Figure S2. NOAA surface maps showing the arrival and passage of left) cold front A, and right) cold front B.

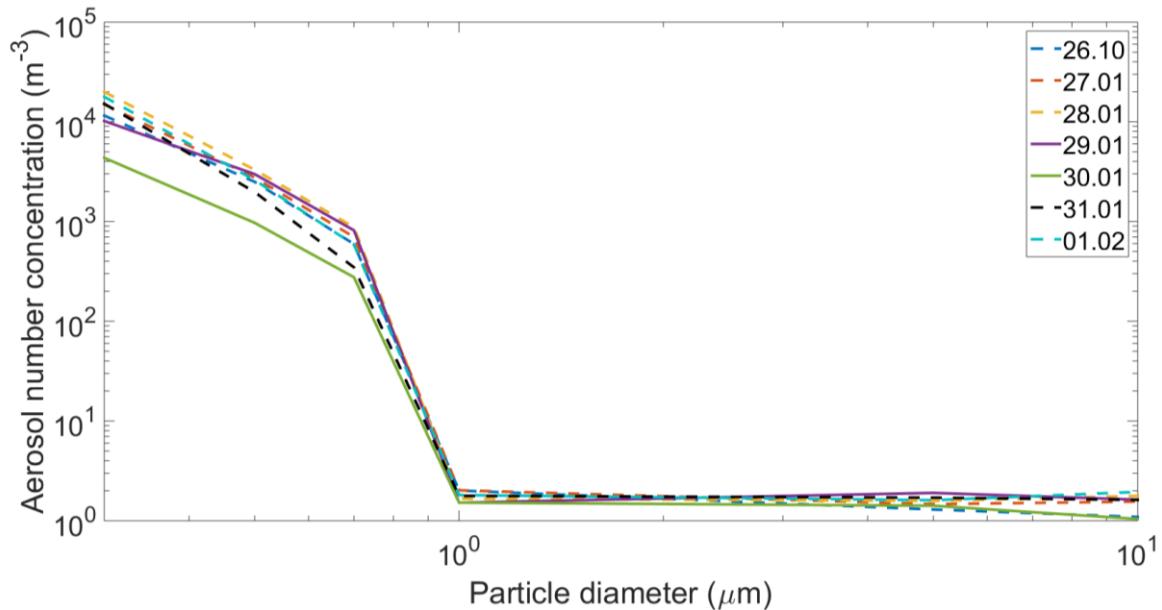


Figure S3. Examples of the aerosol number size distributions before (January 26 to 28), during (January 29 and 30) and after (January 31 and February 01) the passage of a cold air mass.

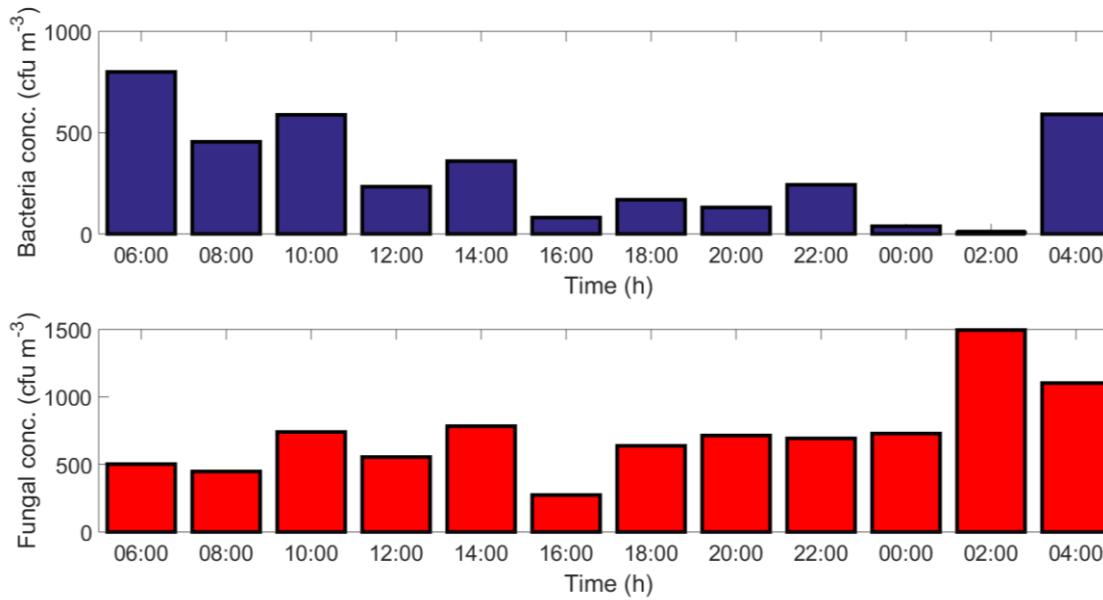


Figure S4. Daily profile of the Top) bacteria, and Bottom) fungal concentration (cfu m⁻³) between January 22 and 23, 2017.

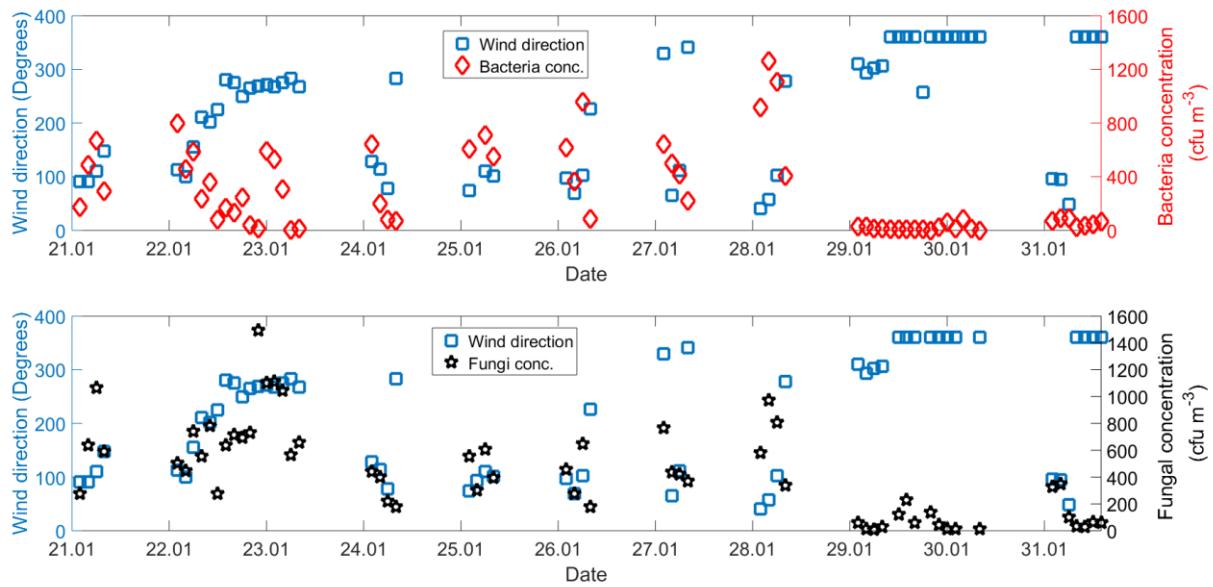


Figure S5. Time series of the Top) wind direction vs. bacteria concentration, and Bottom) wind direction vs. fungal concentration between January 21 and 31. Each X-axis tick corresponds to 6:00 a.m. local time.

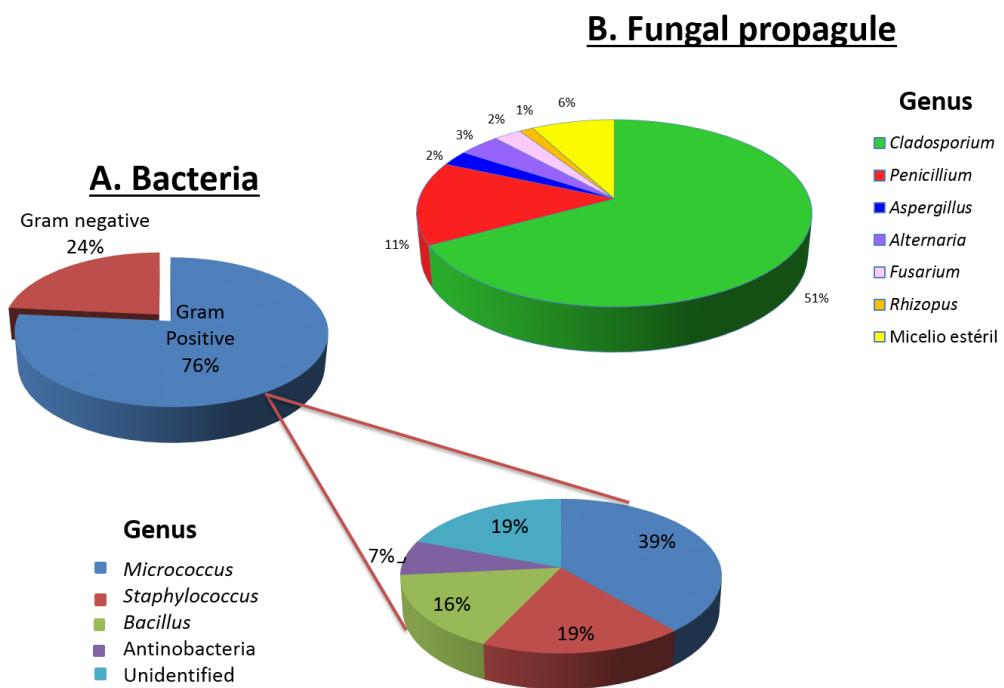


Figure S6. A) Gram bacteria staining analysis for the whole sampling period and, B) Identification of the Fungal propagules for the whole sampling period.